

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): An optical filtering component, including comprising:
a tunable and wavelength selective filter $[(1)]$ capable of transmitting the light in a narrow optical spectral band centered around a given wavelength and capable of reflecting the light whose wavelength is outside said band $[,]$;
an input guide $[(2)]$ conducting light radiation $[(3)]$ to the filter $[(1)]$, ~~characterized in that~~ wherein the input guide $[(2)]$ conducts the radiation $[(3)]$ to the filter $[(1)]$ in order to perform a first pass through it $[,]$; ~~in that the component includes and~~
means $[(6)]$ for returning a first part $[(4)]$ of the radiation $[(3)]$ reflected by the filter $[(1)]$ during the first pass in order to perform a second pass through it $[,]$; ~~and in that it includes~~ collimation means common to the input guide $[(2)]$, to the return means $[(6)]$ and to the second output guide $[(10)]$.
2. (currently amended): The optical filtering component as claimed in claim 1, ~~characterized in that it includes~~ comprising a second output guide $[(10)]$ conducting a fourth part $[(11)]$ of the radiation reflected by the filter $[(1)]$ during the second pass.
3. (currently amended): The optical filtering component as claimed in ~~one of the preceding~~ claim $[s]$ 1, ~~characterized in that it includes~~ wherein a lens $[(12)]$ arranged between, on the one hand, the filter $[(1)]$ and, on the other hand, the input guide $[(2)]$, the return means $[(6)]$ and the second output guide $[(10)]$.
4. (currently amended): The optical filtering component as claimed in claim 3, ~~characterized in that~~ wherein the lens $[(12)]$ is a graded index lens.

5. (currently amended): The optical filtering component as claimed in claim 4, ~~characterized in that~~ wherein the lens $[(12)]$ is such that its object focal plane coincides with an input face of the lens $[(12)]$.

6. (currently amended): The optical filtering component as claimed in ~~one of the preceding~~ claim $[s]$ 1, ~~characterized in that~~ wherein the return means $[(6)]$ direct the first part $[(4)]$ of the radiation $[(3)]$ to the filter $[(1)]$, with the same incidence as the input guide $[(2)]$.

7. (currently amended): The optical filtering component as claimed in ~~one of the preceding~~ claim $[s]$ 1, ~~characterized in that~~ wherein it includes means for tuning the given wavelength.

8. (currently amended): The optical filtering component as claimed in ~~one of the preceding~~ claim $[s]$ 1, ~~characterized in that~~ wherein it includes means $[(20)]$ for inserting replacement radiation whose length is substantially centered on the given wavelength.

9. (currently amended): The optical filtering component as claimed in ~~one of the preceding~~ claim $[s]$ 1, ~~characterized in that~~ wherein the return means $[(6)]$ are produced by means for glass plate photolithography and ion exchange.

10. (currently amended): The optical filtering component as claimed in ~~one of the preceding~~ claim $[s]$ 1, ~~characterized in that~~ wherein it includes means for amplifying the radiation reflected by the filter $[(1)]$.

11. (new): The optical filtering component as claimed in claim 2, wherein it includes a lens arranged between, on the one hand, the filter and, on the other hand, the input guide, the return means and the second output guide.

12. (new): The optical filtering component as claimed in claim 3, wherein it includes a lens arranged between, on the one hand, the filter and, on the other hand, the input guide, the return means and the second output guide.

13. (new): The optical filtering component as claimed in claim 2, wherein the return means direct the first part of the radiation to the filter, with the same incidence as the input guide.

14. (new): The optical filtering component as claimed in claim 3, wherein the return means direct the first part of the radiation to the filter, with the same incidence as the input guide.

15. (new): The optical filtering component as claimed in claim 2, wherein it includes means for tuning the given wavelength.

16. (new): The optical filtering component as claimed in claim 3, wherein it includes means for tuning the given wavelength.

17. (new): The optical filtering component as claimed in claim 4, wherein it includes means for tuning the given wavelength.

18. (new): The optical filtering component as claimed in claim 2, wherein it includes means for inserting replacement radiation whose length is substantially centered on the given wavelength.

19. (new): The optical filtering component as claimed in claim 3, wherein it includes means for inserting replacement radiation whose length is substantially centered on the given wavelength.

20. (new): The optical filtering component as claimed in claim 2, wherein the return means are produced by means for glass plate photolithography and ion exchange.

21. (new): The optical filtering component as claimed in claim 3, wherein the return means are produced by means for glass plate photolithography and ion exchange.

22. (new): The optical filtering component as claimed in claim 2, wherein it includes means for amplifying the radiation reflected by the filter.

23. (new): The optical filtering component as claimed in claim 3, wherein it includes means for amplifying the radiation reflected by the filter.